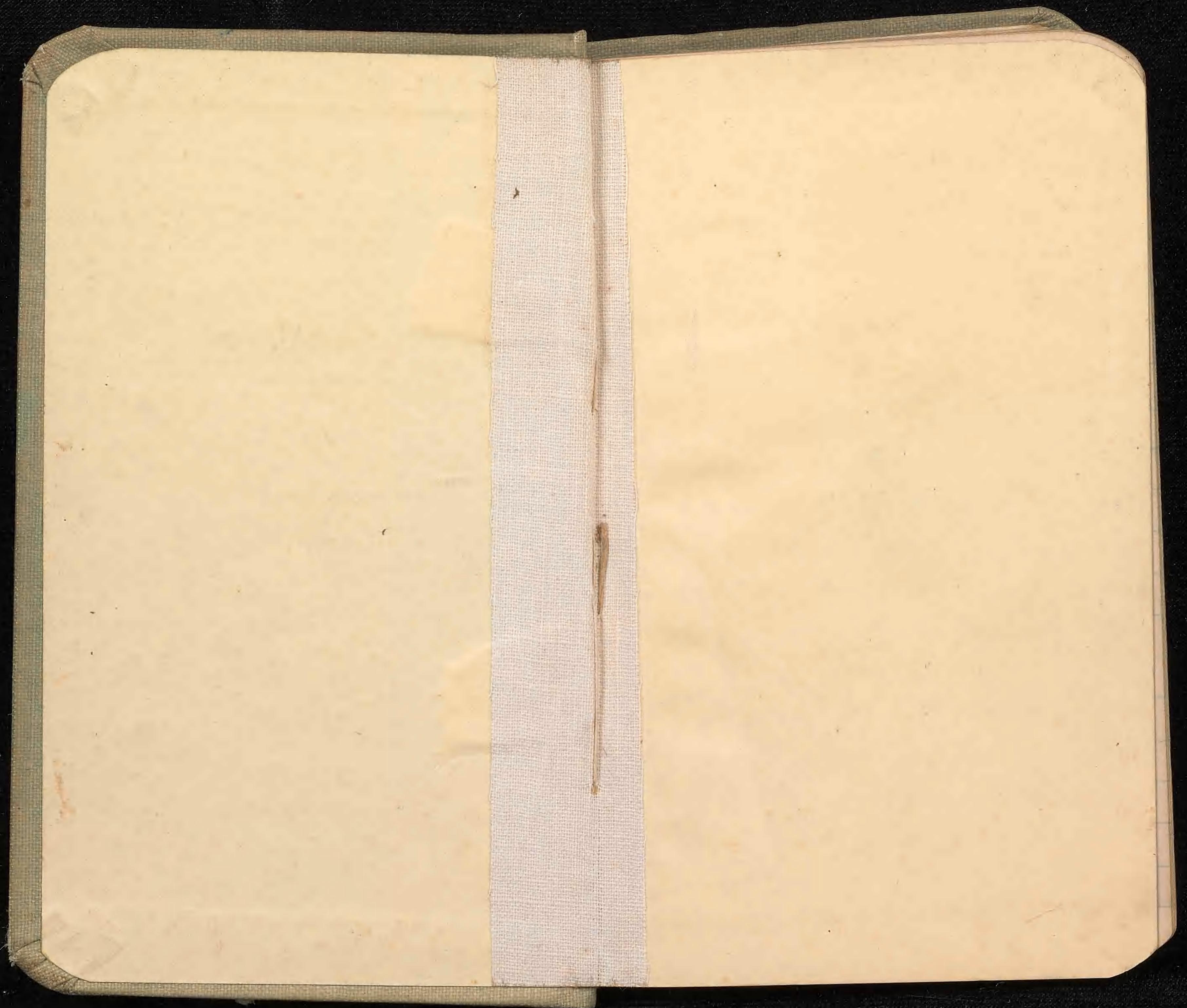
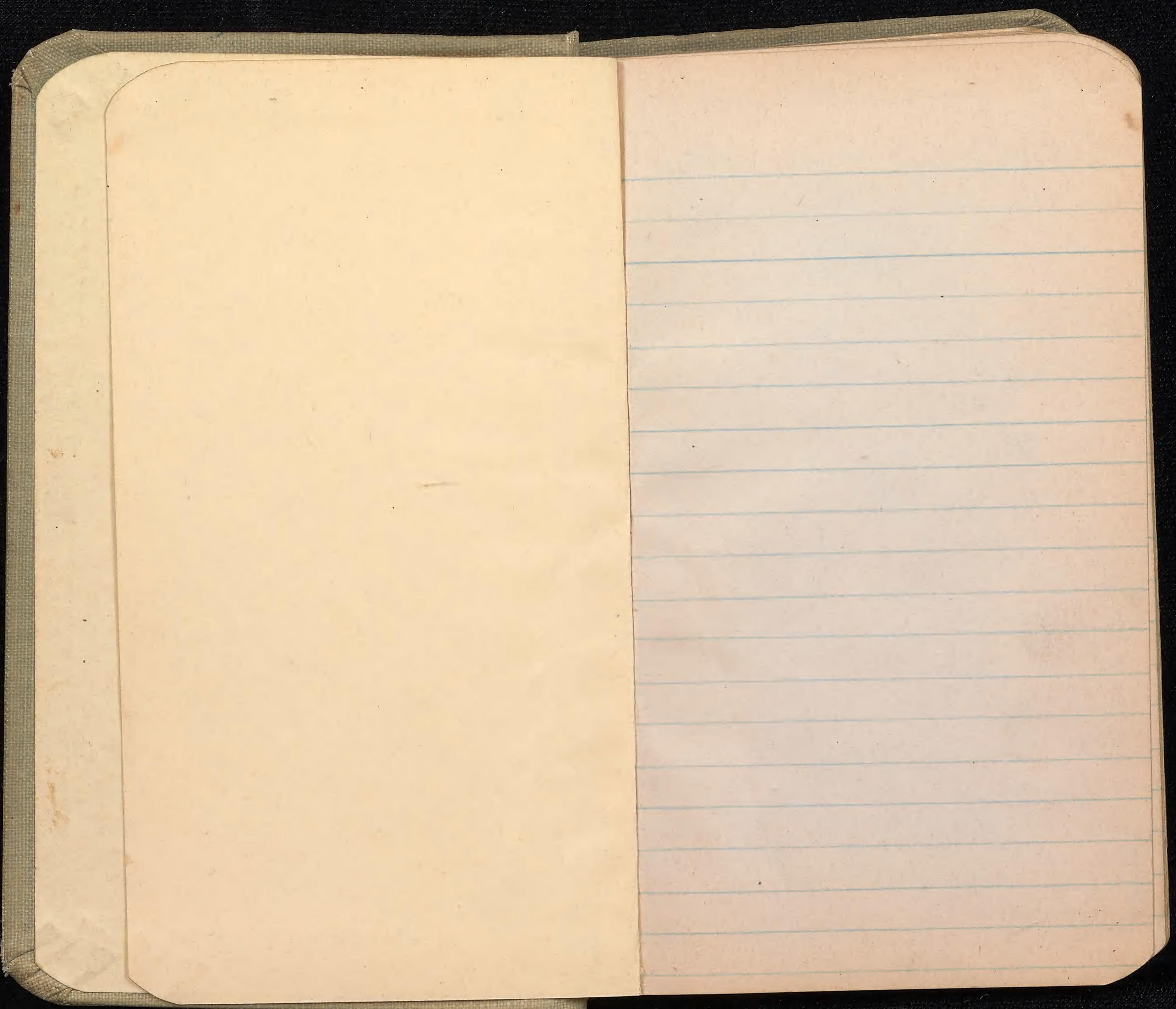


A.S. Hitchcock

14061-14533

26





~~Palis July 4 (contd)~~

14061

Osteomeles anthyllidi-folia Sindl.

Shrub

14062 ~~fern~~

Polypodium lineare Thunb.

14063 ~~lichen~~

14064 ~~0~~ ~~Bromelias~~

Coll. Weddige near Kif.
Sta. on tentacles

14065 ~~Chaetocalyx~~
✓ ~~merelloides~~
Jus. 15563
x 15563
in fl. D

Seed in sp. A. ground
Bromelias

14066 *Arthraxon*
sp. *paraguayanus*

Weed along roadside
Honduras

14067 *Paspalum*
sp. *longipalum*

Weed along roadside
Honduras - Koko grass

14068 *Cenchrus*
sp. *seminotus*

Road to S. P. Bay
rounds - Honduras

14069 *Holcus*
sp. *virginicus*

Rocky hill side - Pinch
Bowl - Honduras

14070 *Sporobolus*
sp. *andicola*

grass land along
street

14

(44 spec. a. 10)

14071 *Andropogon*
(Coeniorum)

Keeped from Spt
the winds

14072 *Paspalum*
ellatatum

ditto

14073 *Andropogon*
speciosus

ditto

14074 *Erigeron*
annulifer

~~Let~~ ^{or} ~~it~~ There are 30 spec

(15074 is a lobelia)

14075 *Centella*

Loc. July 29, 1916
Gantolus half way up

14076 *Panicum* *malacodes*
minutum

~~det~~

14077 *(det)*

~~det~~

14078 Aug. 1, 1916,
Manoa Valley
Carica ~~sp~~ *indica*

14079 *Euphorbia hypericifolia* S.

14080

Aug. 1, 1916 Monoa Valley
from end of car line to
bottom of falls.

along roadside

ditto

14081

Passiflora



ditto

14082

Clerodendron fragrans
Vant.



ditto

14083

Cladium leptostachyrum
Nees & Meyen



swampy place on
plantation

14084

Hedychium coronarium
Koenig



along plantation road

14085

Zingiber zerumbet
Rose.

Wet gulch, shady places

14086

X

on sides of gulch in open
places

Kahki Valley Aug 2.

14087 *Cyrtandra grandi-*
flora Gaud.

small tree

14088 *Chloris*

cepparelle I expect
from cultivation

14089 Fern

Diplazium amstelli Brack

2 sheets of specimen

14090 *Alyxia olivaeformis*

Shrub

14091 ~~Fern~~

Athyrium poiretianum.
(Gaud.) Presl

14092 ~~Fern~~

Asplenium horridum Kaulf

14093 ~~Fern~~

Doodia Kunthiana Gaud.

14094 ~~Glechoma~~

Cyanea angustifolia
(Cham.) Herb.

Milky pyre
Shrub 4 ft. high

14095 ~~Fern~~

Dryopteris propinqua
(R. Br.) Gill.

✓ 14096 *Pittosporum* sp?

Small tree
~~Smooth~~ smooth

✓ 14097 X

Tree X

✓ 14098 *Lobelia*

Shrub

Scorola chamaesoniana
Gaud.

✓ 14099 X

Tree *

✓ 14100 *Suttoria serrulata*

Tree

14101 ~~Q~~ Edmackia
junculoides

14102 ~~✓~~ fern
Dryopteris parastica
(L.) Kuntze

14103 ~~✓~~ fern
Desmodium polycarpon
st.

14104 ~~✓~~ fern
Pityrogramma calomelanos
na (L.) Link

14104a ditto

14105 *Cyatandra pickeringii*
a. Gray

Shrub.

14106

X

Vine

001

14107 *Syntherisma*
Heller

✓

a large specimen

14108 *Cyrtandra fessoni-*
ana Gaud.

✓

Tree

14109 *Cassia*
laevigata Willd.

✓

Tree

14110

X

001

14111 ~~7~~ one

Duguetia cyathoides
(Kaulf.) Kuntze

3 sheets of Spec

14112 ~~7~~ one

Duguetia truncata
(Poir.) Kuntze

3 sheets of Spec

14113 ~~7~~ one 2000

Gaud.

Tree

14114 ~~7~~ one

Marattia douglasii Presl

The root is a large
starchy mass exceeding a
foot in diameter, the
pulp tastes like raw
potato

14115 ~~7~~ one

Rollandia lanceolata
Gaud var. a Hbd.

?

14116 Sagittaria
Sagittaria sagittifolia

in Taro field, ~~near~~
introduced sp. cult,
for its coriander.

14117 ~~Velutinella~~
(*Velutinella*)

in ditch in ~~near~~
field, flowing in the
valley

14118 ~~Trinervistylis~~
Trinervistylis diphylla
Vahl

along ditch ~~near~~
near fall

14119 ~~Ectemnius~~

on bank in ~~near~~
field, probably same
as 117.

14120 ~~Lemma~~
Lemma minor

in water of ~~near~~
field

1 14121 ♂ *Chloros*
radula *aberr. green*
♂
Aug. 5

1 14122 ♂ *Andrenops*
gervaisi *collected on S. side*
of P. R. grounds

1 14123 ♂ *Emarginata*
aberr. with
green side grounds

1 14124 Aug. 7, 1916 *Reelolo Valley Ridges*
Catatum mayenii Snake

1 14125 *Sedge* *aberr.*
Garnia beecheyi Mann

1 14126 Wild Yam (814)
Dioscorea bulbifera

1 14127 Parasite (814)
Viscum articulatum
var. χ .

1 14128 Santalum Freycine-
tianum Gaud. (814)

1 14129 Parasite (814)
Viscum articulatum
var. β .

14130 (814)

1 14131

6811

✓ 14132 Solanum

Cyanaea angustifolia
(Cham.) Hbd.

1 14133 Coccular Ferran-
dianus

6811

1 14134 Cassia laevigata
Willd.

6811

1 14135 Rock's new species
Scaevola Gaudichaudii

6811

1 14136 Fern

Polypodium lineare
Thunb.

14137 Plantain

Peperomia reflexa Pietr.

14138 *Osteomeles anthylli-*
difolia Lindl.

14139 *Eragrostis*

14140 *Agrostis variabilis*
Willd.

114140 *Eriogrostis*

14149 *dittus*

14148 *Chrysopogon*

Site Aug 17

14141 *Paracuru*
azaleum

5/

Along bank of river & road
in city, in open ground. Low
tall clumps, clumps.

14148 *Ischaemum*

5/

Leve along bay
brandy

✓ 14146 Passiflora
Passiflora foetida L.

Low or swampy
ground along bay.

14147 Popu mulberry

X

✓ 14147

X

14148 ^o Qualea
polystachya

✓

✓ 14148

14149 Convolvulus

✓

✓ 14149

14150 *Gratiosa*?

✓ 14150

1 14159 *Echium vulgare*
(Salicifolia)

8.7.18

14150 *Strophium*
(Cimicifolia)

Leave rock along bay
Scrub bushes. Spikes
several & small. Same
a little different from ² ³ ⁴ same

14153 *Scirpus* *lacustris*

8.7.18

Scirpus lacustris L.

✓ 14154 *Polygonum*

8.7.18

✓ 14155 *Carex pumila*

8.7.18

Cyperus rotundus
var. *littoralis*

1

14156 *Scleria**Scleria testacea* Nees

Belli

14157 *Scleria* (Junc)*Cladium leptostachyum*
Nees & Meyen

Belli

14158 *Beau**Sioclea violacea* Mart.

Belli

14159 *Hibiscus**Hibiscus youngianus*
O. Grud.

Belli

14160 *Plantap**Plantago major* L.

Belli

14161

✓ Sida

X

30141

14162

✓ Cuphea

X

30141

14163

✓ Scirpus

Himantostylis diphylla
Vahl

30141

14164

✓ Chiscomus

X

30141

14165

✓ Kyllinga

Kyllinga brevifolia
Rottb.

30141

✓ 14166 *Axalis* 80161
Oxalis martiana Zuccar.

✓ 14167 *Cyperus* 80161
Cyperus polystachyus
var.

14168 *Cyperus* 80161
= 167
Cyperus polystachyus
Rottb.

14169 *Grindelia* 80161
(Heller)

✓ 14170 *Eupatorium* 80161
X X

14179 *Claviger*
advena

14172 *Yerusha*

Hilo Jan. 16

14173 *Asparagus*

Cult. in gardens

14174 "Yi"

All these were collected
By north of Hilo

14178 *Penstemon*

near garden

14176 *Osmunda*

✓ 11/18/11

14177 *Rubus*

✓ 11/18/11

Rubus rosacefolius?

14178 *Cyperus rotundus*

✓ 11/18/11

Cyperus rotundus L.

14179 *Oxalis*

✓ 11/18/11

Oxalis corniculata L.

14180 *Composita*

✓ 11/18/11

X

X

14181 *Estinodora* alyoides 18/11

14182 *Paspalum conjugatum* 18/11

14183 *Panicum berburea* 18/11

14184 *Compsis* 18/11
X

14185 *Convolvulus* 18/11

14186 *Syntetisina*

Set

Along side of road B14
Catt.

14187 *Hydrocotyle*

X

1818

X

14188 *Syntetisina*
(Julford)

✓

1818

14189 *Hibiscus*
Hibiscus tiliaceus

1818

14190 *Syntetisina*
pruinosa

1818

14191 *Syphlerus*
Scribner

1878

14192 *Periploca*
orientalis

1878

14193 *Gomphocarpus*
sudanicus

The following day when
I was Rambo following
the most rocks were fallen

20

14194 *Ischaemum*

ditto

1878

14195 *Colocynthis*
fosteri

ditto

1878

✓ 14196 *Peperomia*
Peperomia

cliffs

08141

14197 *Glossina*

cliffs

08141

14198 *Dischampsia*

cliffs, with green
bunches, moist
water, mostly out of flower

14199 *Optisurus*

shady, gulch

08141

✓

14200 *Asclepias*
Asclepias curassavica
L.

field (pasture)

08141

14201

Yam?

grass bank

10881

14202

Blue pepper
cantaloupe

Ready bank

10881

Kukui Ranch - 3600 ft.

Aug. 19

14203 Spermatocarpus
(indica).

Pasture

10881

14204

Holcus
lateralis
(notidea)

Pasture, Various 10881

(grass) have been
sown in the pastures
in past years & several have
become established

14205

Calamagrostis
fistulosa

Pasture

14206 *Viroleolaeu*
/ *rosea*

Side of gulch

14207 *Iobbathe*
Erythrose *salicoides*
Gray

Posture

14208 *Panicum*
D/

Side of gulch in
brush. Culms stiffly but
softly erect at base, & later
sometimes becoming pendulous.
Blads. flat.

14209 *Bryum*
Horn

Posture

14210 *Festuca*
megoloma

"

1420

Prunus
umbellata

Posture

11381

14210

Acalypha
odoratissima

Posture

11381

14210

Gaetula
forrestii

Posture

11381

14210

Paspalum
littorale

Posture

11381

No common name
in open woods &
pastures
brackish woods

14210

Yerba

Posture

11381

14216 *Agrostis*
alba

✓

14217 *Composita*

✓

X

14218 *Euphorbia*

Euphorbia peplus S.

14219 *Bromus*
ulus

"

8184

14220 *Agrostis*
(grasses)

g/

Posture

8184

Ravine

8184

"

8184

Side of ravine. In bunches &
only pulled up. Roots
rather loose. Blades flat glaucous
above.

14221 0 *Aporia*
verticillata

Wet places, in bottom
of stone ravine.

✓

14222 *Myoporum laetum*
conse

valley

1881

14223 0 *Poa*
annua

sides of gulch

✓

14224 *Carex*
oahuensis var
lavarium

"

1881

14225 0 *Doselaphis*

"

1881

✓ 14226 Carex

Carex macloviana D'Urv.

ASSA

✓ 14227 Geranium

Geranium carolinianum
L.

ASSA

✓ 14228 Rulineae

ASSA

✓ 14229 Aneuraea

ASSA

✓ 14230 Peplromia

Peplromia refractifolia

ASSA

14231 *Apocynum*
alba

Posture

14232 *Calanthea*
fauriei

Fruiting panicle
break leaves & twigs

14233 *Commelinaceae*
Commelina nudiflora S.

14234 *Physalis*
Physalis peruviana S.

Slope of Māna Kā (Hā Kā) an Rand

14235 *Koelreuteria*
glomerata

- 3600 - 8000 - Aug. 21
8000 ft - small specimen

✓ 14236 Composita

Tetramolopium humile

8000 ft

16000

✓ 14237 Composita

8000 ft

16000

14238 Caesalpiniaceae

8000 ft

16000

✓ 14239 Sophora

Sophora chrysophylla
(Salisb.) Seem

Tree - 7500

16000

✓ 14240 Sennarum

Sisyrinchium acaule

7500

16000

✓ 14241 Minn

Stenogyne rugosa Benth.

5500 ft

11581

✓ 14242 *Styphelia grayana*
Rocke

shrub - dense herm.
spherical, 7500

14243 ① Grass

Bunches in bare spots

14244 ① Koelreuteria
Gomphrena
ST

Bunches - cone of ch.
dominant grass from
6000-6000 ft.

14245 ① *Aristis*
mt euphylla

Gulch 6000 ft

14246 Fern
Asplenium dentatum Brack.

on rocks & talus 800 ft

✓ 14247 Wimperia

7488

✓ 14248 Composite
Gnaphalium japonicum

7489

14249 Fern
Pellaea ternifolia (Cav.) S.

ditto 28

7488

14250 Deschampsia

31

Bunches - Cen. of dominant
grasses for 1000s - 8000 ft
(higher)

14251 ~~Pandem~~ Pandem

Specimens with Marcella
Parech

14252 ~~Witholes~~
/ ~~lanceolatus~~

Open range 6881

14253 Smilax

3000 ft

6650 ft

Smilax melastomaefolia
var ~~subinermis~~ Hbd.

14254 ~~Fern~~

Gulch 5000 ft. 6650 ft
all sheets from 1 foot
base - basal 1/2 - middle
spine - tip, - no trunk
in rocks & Gulch same

14255 ~~Fern~~

is 244

Asplenium dentatum Brack.

14256 ~~Pandem~~ Pandem

Gulch - long culm 6650 ft

1425/ 7. brie
Dryopteris paleacea
(Swartz)

specimen found florist
& dianthus base

14258 7. brie
Sadleria souleptiana (Gaud.)
Moore?

all spec. fern / florist

14259 7. brie
~~Diplazium~~

14260 *Chenopodium*
Chenopodium Ambrosioides

14261 7. brie
Oxplenum ineditum
Brack.

14262 *Rumex acetosella*
Rumex acetosella

14263

~~14263~~ *2024*

Asplenium ineiticum Brack

14264

14264

Parthenium

Large Specimen

14264

14265

~~14265~~ *Linum*

14265

14266

Kukiova Ranch - elev 4000 ft.

Bromus

Aug. 20 (Sunday afternoon)

14266

pisidium

Posture

14267

Athenea
ulus

Posture

14267

14268

Oxalis

Oxalis corniculata L.

Ravine

14268

14269

Poa

annua

Ravine

14269

14270

Euphorbia

Euphorbia loricifolia
var. *gracilis*Small tree in Kao
forest. Collected
coco
has been tested for rubber
& not satisfactory.

14271

Cirsium

Janecotense

Ravine

14271

14272

Rubus

X

Ravine

14272

X

✓ 14273 Mallow

Posture 67841

14274 Fern

Microlepia strigosa (Thunb.) Presl

Raceme 67841

14275 —

X

small tree-raceme

X

14276 Fern

Asplenium adiantum-nigrum L.

Raceme 67841

14277 Argemone

Argemone mexicana L.

Posture 67841

Slope of lava - North of 800-1100 ft. Aug. 22

14278 Composite

Tetramolopium humile (Gray)
Hb. var. B.

Slope of one of the younger
lava flows, about 1100 ft

14279 ~~Shrub~~

Stypelia grayana Rose.

Shrub - 2 ft

9784

ditto

14280 Silver sword

*Argyroxiphium sandwi-
cense* DC

ditto. Plants scattered + glister
can be seen for long distance
fl. stalk 2-3 ft. high.

14281 Composite

Kaillardia ciliolata DC

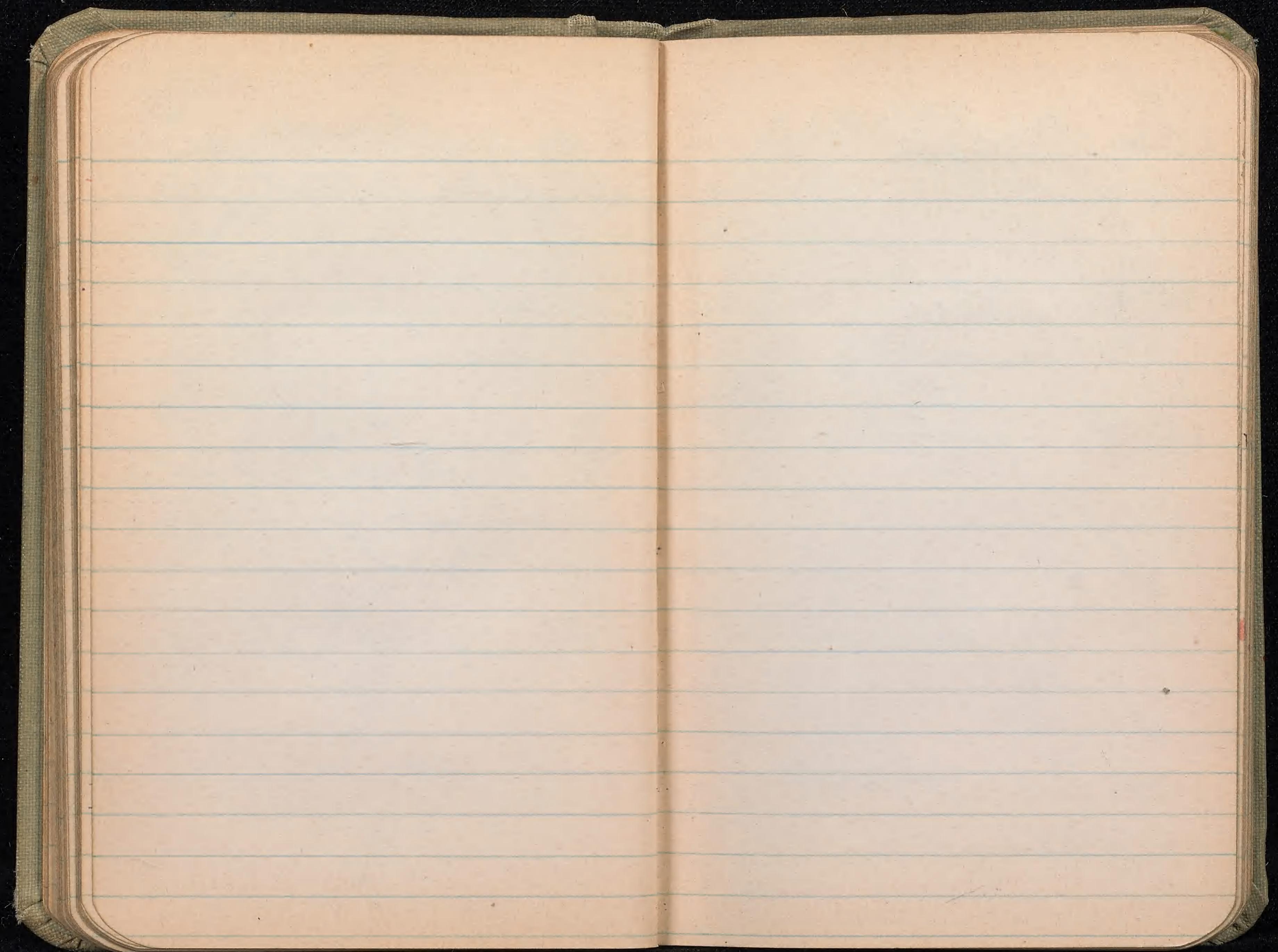
ditto - small shrub 8 ft

14282 *Lysiloma*?

Acacia koa Gray
Also unnamed sp.

ditto.

9884



14283 *Carex*

Carex oahuensis C. A. Mey.

delté

68541

14284 *Kallstroemia*

delté this is not 865
the only grasses on upper
slopes.

14285 *Ajania*

delté

68541

14286 *Geum urbanum*

flats 3ft 68541

X

14287 *Gnaphalium*

delté

68541

Gnaphalium sandwi-
chenseum

14288 *Vaccinium*

Vaccinium Fairiei

delta

14289 *Rumex*

Rumex giganteus Oit

delta - in sand.

14290

Coprosma montana
Hod.

Scrub, delta

14291 *Zorn*

Pteris excelsa Gaud.

Among rocks, delta

14292 *Silene*

Silene struthiopteris

delta -

✓ 14293 Achillea

Achillea millefolium L.

✓ 14294 Solanum

✓ 14295 *Yerba*
Fragaria chiloensis
St. John.

✓ 14296 Chloris
(Guzman)

✓ 14297 *Rubus*

Posture - 4500 ft

della

della

Posture 3600

Posture 4000

14298

Agrostis

✓

14299

Pueleria

✓

14300

7 miles south Kukaiwahy
7000 ft, Aug 23

Rhus semialata var.
sandwicensis

14301

Morinda

✗

14302

Composit

Sandy spars. ^{1188 ft}
lava - bunches dense
on mounds a foot in diam.
8000 - 11000 ft,

lava ^{1188 ft} about
10 miles 9 - 11000 ft.
scrubby not velvet - poor dense not
spreading a glomerate or in tufts

✓

Weed in pasture

✗

✓

✓

14303 ✓ *Cerasanthus*

X

dills

10/18/11

14304 ✓ *Taraphium*

X

dills

10/18/11

14305 ✓ *Lobelia*

Scleromontia pyrularia
Hbd.

Wet Shady woods

14306 ✓ *Fern*

Pteris excelsa Gaud.

All in genus is wet

Wet Shady woods

14307 ✓ *Fern*

Dryopteris hawaiiensis
(Hillebr.) M. g. R.

10/18/11

14308 / Fern

60841

Dryopteris rubiginosa
(Brack.) Kuntze

14309 / Fern

60842

Dryopteris fuscrostrata
(Hillebr.) W. J. Rob.

14310 / Fern

60843

Othyrium poretianum
(Gaud.) Presl

14311 / Fern

60844

Dryopteris hawaiiensis
(Hillebr.) W. J. Rob.

14312 / Fern

60845

Dryopteris

14313 / Fern

60846

14314

✓ *Yew*

Polypodium lineare Thunb.

14315

✓ *Solanum*

Solanum pseudo-capsicum

14316

✓ *Usnea*

Usnea florida v. *australis*

(fr.)

14316a

Spec. indifferent, but probably

14317 *Coryn* *Parmelia cetrata* Ach.

Carex macloviana

Shimela, Aug. 25 - Pasture on

14318 Umbellif

(in Frenchy tree 18 ft.)
dillo

Brush 18' postulate

Common on locusts
trees & often more
hanging a tree

Rainy with the fruits

In Mt. West, 2700-3000 ft

Rocky ledges - common
more in places

✓ 14319 *Australian Koia*

Alaria

Acacia koaia Hbd.

✓ 14320 *Chenopodium*

Chenopodium sandwicense
cheum Moq.

✓ 14321 *Cassia*

Cassia laevigata
Willd.

✓ 14322 *Holotrichium sandwicense* (Gray)
Hbd.

✓ 14323 *Xanthium*
Xanthium strumarium

Common on the hills.

Weed along roadside
bad swell

Road side 1884

Well, small, 1884
ravine.

Common weed
in pasture

14324 ~~Forre~~

Bryopteris keraudreniana
(Gaud.) A. Chr.

14325 ~~Forre~~

Bryopteris keraudreniana
(Gaud.) A. Chr.

14326 ~~Lobelia~~

Clermontia obrepans-
morpha Röhl.

14327

14328 ~~Composita~~

X

Forest - 4000 ft ~~1000~~

ditto

6881

ditto

6881

Forre - ditto

Meed meed ditto

X

14329 Fern

Sadleria souleytiana (Gaud.)
Moore

dells - Petworth

Prim about 60 fm.

14330 Fern

Dryopteris glabra (Brack.)
Kuntze

dells

W.E.D.

14331 Fern

Dicranopteris oxyphyllae
(Hout.) W. J. Rohr

Clevedon - dells

8881

14332 Fern

Dryopteris stenogramm-
oides (Baker) C. Chr.

dells

8881

14333 Fern

Dicranopteris glauca
(Thunb.) Underw.

dells - Clevedon

14334

✓ Fern

Dicranopteris glabra

(Brock.) Kuntze

✓ 14335

✓ Fern

Cibotium glaucum (L. E.
Smith) Hook. & Arn.

✓ 14336

✓ Fern

Athyrium pinnatum
(Sand) Presl

✓ 14337

✓ Puffball

✓ 14338

✓ Cladophora

Chirodendron quadri-
chaudii Seem.

Ditto

18841

Tree fern - See p. 18841
ditto

ditto

18841

ditto

18841

vel in appresso
postea

✓ 14339 Kolea

Suttoria Sessertiana (DC)

May 8

Tree - in upper 1800' pastures

✓ 14340 Dolium?

in Posture

04001

✓ 14341 Cephia?

in Posture

04001

✓ 14342 Composite

dilb

04001

✓ 14343 Plantago

dilb

04001

14344 *Cornposeli*

deltoides

44841

14345 *Nario*

Myoporum sandwicense
Gray

tree & postlike

14346 *Pua*

Osmanthus sandwicense

tree & postlike

14347 *Opipu*

Strawaria

tree & postlike

14348 *Hordeum*
suwana

weed & postlike
grass - "Fox tail"

✓ 14349

Medicago

Medicago lupulina L.

weed in pasture

✓ 14350

Erigeron

Sigethium
flowers

Posture

white

✓ 14351

Ischnathalia

Snaphalium purpureum
L.

weed in pasture

✓ 14352

Cirsium

X

leaves

X

✓ 14353

Empetrum

X

places

↑

ditch bank

14354

✓ *Veronica*

Wood in pasture

14355

✓ *Gratiola**Anagallis arvensis* L.

ang. 26

Waimea - just on top of M.

14356

Fern

Polyodium earnstorum

Brack

delt.

6664

Forest very wet - mostly ferns,
W. of the Coelurs - very fl.
in tree brush 6664

14357

Fern

Asplenium pseudofalcatum

Hillebr.

showing prolfers
fiddle

14358

Fern

*Diplazium*Lap fern - besol fiddle
mid. sum
top.

✓ 1 14359 *Metrosideros collina*
polymorpha var. ? (gla-
berrima)

Small tree (2681)

14360 ~~Fern~~
Polypodium tripinnatifidum (Gaud.) Presl?

On tree trunk (Fern)

14361 ~~Fern~~
Polypodium pellucidum
Kaulf.

On tree, ~~fern~~ trunk (2681)

14362 ~~Fern~~
Elaphoglossum gorgoneum
(Kaulf.) Kerck.

On tree, ~~fern~~ trunk (2681)

✓ 14363 ~~Lobelia~~
Clermontia parviflora
Gaud.

Small tree (2681)

1 14364 Form

Hymenophyllum obtusum
Hornst. & Arn.

On tree from trunk

14365 Form

Polypodium hymenophyl-
loides Kaulf.

On tree from trunk

14366 *Alyxia olivaeformis* Gaud.

Small tree

14367 Form

Polypodium pseudogrammitis
Gaud.

On tree from trunk

14368 *Yucca*?

Cyatandra platyphylla
var. *membranacea* Rock

Bush

✓ 14369 *Labiate?*

Stenogyne calamintoides
Benth.

✓ 14370 *Suttonia sandwicensis*
(DC.) Meg.

✓ 14371 ~~X~~ *lichen*
Sticta (Stictina) tomentosa
(Sw.) Ach.

✓ 14372 ~~Fern~~
Polypodium tripinnatifidum (Gaud.) Presl?

✓ 14373 ~~Fern~~
Asplenium nitidulum
Hillebr.

Vine

Small tree

on tree branches

on tree fern trunk

on base of tree fern

14374 ~~Form~~

Trichomanes radicans

Swartz

On tree fern trunk

14375 ~~lily~~ *Astelia vera-*
troidea Gaud.

On tree trunks

14376 ~~0~~ *Calomphostes*
forsteri

Growing in some whole trees
mostly shaded spaces between
pines.

14377 ~~Form~~

Polypodium tamarisci-

rum Kaulf

On tree fern bases

14378 *Carex*

Carex Randwicense Bock.

Among ferns

1000

✓ 14379 *Mimia*

Uncinia uncinata

(f. f.) Kuntze

14380 *Fern*

Polypodium pellucidum

Kaulf

14381 *Fern*

Asplenium pseudofalcatum

Hillebr.

✓ 14382 *Eleocharis*

Helocharis obtusa var.
smotata Hbd.

14383 *Vaccinium pendu-*

liflorum s. *gemmaceum*
Hbd.

Among ferns

BB&P

on tree form trunk

At base tree form

Among ferns

BB&P

Stems

BB&P

✓
14384 Orchid

Siparis hawaiiensis
Mamm.

On tree trunks

✓
14385 —

Shrub

✓
14386 —

X

Shrub - fls yellow

X

14387 ~~1~~ 70m

Asplenium sphenatum
Hillebr.

abov. of tree fern

14388 ~~1~~ 70m

Asplenium unilaterale,
Sam.

dlt

ABOVE

14389 Cyperus

Cyperus strigosus

var. *insularis* Kunk.

Among ferns

1884

14390 Fern

Pteris excelsa Gaud

a few mid sum

I think I hear this

14391 Solium

Verterea depressa Banks

Flat open between ferns

14392 Fern

Spiropteris glabra (Brock.)

Kuntze

on tree trunks

14393 Latria

Phyllostegia vestita Benth

Tree

1884

14394

Fern

Sadleria hillebrandii W. J.
Rox.

10641

14395

Osakue

Partly open ~~open~~ between
between ferns.

14396

Tree fern

Cibotium venzuelae Hook.

Relax. y potow, low pine
mid pine - tree wood
a 6 to 10 feet

14397

X

small tree

X

relax.

14398

fern

Osmunda cinnamomea
(L.) Presl

relax.

✓ 14399

Pelea pseudoviridis
Rock

Small tree

100 ft

✓ 14400

Lycopodium
Lycopodium venustum
Sand.

On tree trunks

100 ft

✓ 14401

Shrub.

100 ft

X

✓ 14402

Gauldia

Small tree

100 ft

✓ 14403

Bromus
pellucida Gaertn.

Shrub

100 ft

14404 *Metrosideros collina*
polymorpha macrophylla
Focke

Small tree

1000

14405 *Dlex anomala forma*
sandwicensis Soes.

Small tree

1000

14406 —
Alyxia olivaeformis
Gaud

Small tree

1000

14407 —
*Vaccinium penduliflo-
rum gemmaceum*

Small tree

1000

14408 *Sobria*
Clermontia parviflora
Gaud.

Shrub

1000

Sheep Station - Humula
Kaleeh - Aug 27. 6000 ft.
1440 ✓ *Blechnum*
 medium

Silene gallica S.

14410 Wild Carrot

X

14411 Kellie

Neoprococladus sandwicensis

✓ Wedd

14412 Lichen

Sticta (*Stictina*) *monticola*
v. *aurigera* (Del.) Nyl.

14413 Paurium

Moist wooded hill

11

11

"

Bunches on open
slope

14414 Thistle

Cirsium lanceolatum

Mount Woodlark

14415 Fern

Coleosium adiantum

14416 Fern

Pteris cretica L

14417 *Coprosma montana*

(Gray) Hillbr.

Small tree 18+
abundant

14418 Aportis

Lava glow

14419 Koeleria

✓

14420 Ericace

Vaccinium reticulatum

14421 (Pygalkodes) Styphelia
grayana Rock

✓

14422 Ericace

Vaccinium reticulatum

✓

14423 Ericace

Vaccinium reticulatum

Lawn flow

11441

" Shrub

" Shrub

" Shrub

" Shrub

14424

Rubus

X

14425

— X

14426

Zern

Polyodium pellucidum
Raaff

14427

Zern

Polyodium lineare Thunb

14428

Composita

Raillardia ciliolata

DC.

Lava flora

X

"

Shrub

"

"

"

Shrub

14429 *Coprosma ornata*
G. Gray

Same place

14430 *tri folium*
Medicago

Passion

14431 *Koeleria*

Passion

14432 Peperomia
Peperomia reflexa D. C.
forma parvifolia C. B. C.

Same place

14433 Carex
Carex oahuensis
C. A. Mey

"

14434 0 Brownes

Postum

W.H.

14435 0 Testine

Postum

W.H.

14436 0 Testine

Postum

W.H.

14437 0 D. dedupin

Postum

14438 0 Revers

X

Yucca gloriosa
Berry Salicin X

14439 ~~Flora~~

Asplenium adiantum-nigrum L.

14440 ~~Dracunculus~~

Lawn flora (14440)

14441 ~~Oriflow~~

No name

14442 ~~Poa~~

canadensis

Meadow ~~in pasture~~

2000 ft

14443 ~~Chenopodium~~

Crown Water Park

Meadow ~~in pasture~~

✓ 14444 Dodonea

Dodonae viscosa Spa-
thulata (Sm.) Hls.

Scand, plaz, up
stems 2-3 ft.

14449 Eriostemon

Scand, plaz, up
stems flat.

14440 Fistula

Forel wooded hill
sub - appenines, subg
green - but may be sub
dried - Buckley (- 6000)

14440 Eriostemon

grass, sleepy in appen-
ines in above hill
Bark smooth all 6 plaz.
smaller - few; bluish-black;
narrow pointed,
growing with 4/5 but blue
drupe broader & pointed less
blended

14443 Eriostemon

✓ 14449 *Brassica*
Brassica

Wooded hillside

14450 *Poa*
fruticosa

ditch.

WPP

Upper part of Mauna Kea - Aug 26

14451 *Composita*

Raillardia ciliolata var.
juniperoides Gray

above timber line
End of the shrubs to the
upper - see photo

14452 *Ageratina*

above timber line
a very spiny but
the largest. Open undergrowth
spars above 10000 ft.

14453 *Koeleria*

Near the lake below
several. The highest
all at which vegetation
was seen

✓
14454

Cerastium

ditto

4754

Cerastium triviale Sinke

14455

Poa annua

ditto

4755

14456

Poa pratensis

ditto

14457

Koeleria

Below Wukun deer
meat Saptuan tree

Sandy plain west of Shup-talon between

Wukun-shu Loa Aug. 29.

14458

Erigeron

Ridge between street & road
ranch deer colored

SD

14450 *Tragopogon*

SB ✓

14460 *Wenmia*, Aug 29

Polygonum

Polygonum sp.?

14461 *Chaelothrix*
glaucia

14462 *Echinocelin*
fremontiae

✓
McCloud's Ranch (Cuyamaca)

14463 —

Cladonia sandwicensis

locality
Same as 468 but further
west, Panamint spreading & light
colored. These 2 species are
dominant grassy and places
between the 2 volcanoes. (1044)

Aug. 30.
Hill near Top of

14460 *Bromus*
midulus

Hill

14465 *Garrulax*
Sandwicensis

Abundant on hill
open forest

14466

Shrub in lava flow

✓
14467 — Legume
Euphrasia monosperma
Gaud.

Tree - Lava flow

14468 *fern*
Cyrtomium corytidium
(Wall.) Presl

near top of hill
in woods

14469 ✓ Fern

Microlepia strigosa (Thunb.)
Frank

Mar top of hill
in woods

14470 ✓ *Sachmea*

X

Weed in pastures
on hill

14471 ✓ *Veronica*

X

ditto

1745

14472 ✓ *Streussia*

✓

Tree - on hill

14473 *Annona*

Annona cherimolia

Tree - on hill - Petals
3 oblong - very thick & fleshy
about as thick as wide, white
fl. Sweet smelling - petals
when open & above this

14474 *Aporloy*
westiellata

In gully of hill 14474

14475 *Panicum*

✓ ✓

On side of hill in open
open dry wood, large
spreading bunches.

14476 *dragworts*

✓ ✓

Open woods on hillside
culms often long decumbent
panicle at maturity stiffly
longately spreading at
lower branches somewhat reflex.

14477 *Corey*

Corey sandwicensis
var -

Gully in hill

14478 *Tropaeolum*

Tropaeolum majus L.

Gully in hill

14478

14479

Optisium

Lava flow

1844

14480

Fern

Asplenium furcatum

Shrub

ditto

1844

14481

Fern

Pellaea ternifolia (Cav.)

Spreng

ditto

1844

14482

Fern

Asplenium adiantum-
nigrum L.

ditto

1844

14483

Lepidium

Sepidium virginicum
L.

ditto

1844

✓ 14484 *Euphorbia*
Euphorbia multiflorum
H. & A.

✓ 14485 *Plectranthus parviflorum* Willd.

14486 *Santalum pilgeri*
var. *luteum* Rock

✓ 14487 *Osteomeles anthyllidifolia* Lindl.

✓ 14488 *Occlusus?*
Cocculus ferrugineus

ditto Shrub or
Small tree

ditto

ditto - Small tree

ditto - Tree

ditto Tree

14489

little vine

14490 Ipomoea

Among weeds on bank
fls white

14491 Ipomoea

little fls blue

14492 Choris farcim

From hay field of
Ranch

14493 Punwaa van Ranch Aug. 31

14493

Eriogonis

Upper slopes of gully on N.W.
side of hill, in open woods,
Branches large, loose, slender
root tufts present

14494 *Euphorbia*
= 476

Growing week 48
493 but gull
destroyed

14495 *Euphorbia*
= 493

Growing week 48
but petioles more
contracted

✓ 14496 *Tulipa*
Theloschistos flavicans (Sw.)
Norm.

in trees in top of hill
isolated

14497 *Osmanthus rand-*
wicensis (Gray) Knob.

Tree in woods on hill

14498 *Fern*
Pteris irregularis Knob.

In woods on hill
Fertile fronds much
dissected

14499 *Solanum*

Solanum pseudocapsicum L.

On woods on hill

14500 — (Euphorb.)

Claoxylon sandwicense
Mull. Arg.

Tree - on hill.

14501 *Claoxylon sandwicense*
= 500 m. a.

dots - mostly
staminate

14502 *Strobocarpus*

Tree on hill.

14503

X

Tree on hill

✓ 14504

Yobiat
Stachys arvensis L.

weed in ~~help~~
posture in woods

14505 X

~~3 plants~~

on Peach

✓ 14506

Littoroporum Hosmori

Rock

Tree

✓ 14507

Annona -
Chirimoya

Annona cherimolia

14508

Tree on hill - fruit

Tree - on lava 600 ft.

✓ 14509 *Braccaea*?

Braccaea curvata

Sept 1

Kulekai Rd, above huts

14510 *Koeloma*

Tree on lava - with
inflorescence a long cor-
poral raceme - 2 green
day flowers in press & one
small rosella of leaves

In woods 5000 ft

14511 *Festuca*

In woods 5000 ft

14512 *Uncaria*

ditch

✓ 14513 *Chiridendron gaudichaudii* var A

Tree - Lava woods
5000 ft

14514 Pisonia?

Colpidia Brunonianum
(Endl.) Hieron.

✓ 14515 *Wera candicans*
Wedd.

✓ 14516 *Charpentiera obovatum*
Sand.

✓ 14517 *Veronica*
Anagallis arvensis.

Hualalai M. Summit (8000), in thickets Sept 2

14518 *Panicum*

Tree - Lava Woods 6111
fruit very sticky 4000

Tree Lava Woods 4000
4000 ft

Tree - Lava Woods
4000 ft

Moist Woods - 6000 ft
in woods just below it.
thickets.

14510 *Geopora*

Open places along forest
just below timber line.
Forest all bushes, the colors
mostly purple, or reddish
the flower color ^{flexuous} elongated
and in case of greats.

14520 *Kotzia*

Near Summit

14521 *Dichrompsia*

Near Summit

14522 *Creami*

Near summit small
shrub

Vaccinium reticulatum

500

14523 *Composita*

small shrub near the
summit

Railardia acutra 700

✓ 14524 Fragaria

Fragaria chiloensis Schlecht

deltoides

✓ 14525 ~~Geranium~~

deltoides

✓ 14526 Lythrum?

Lythrum maritimum

H. B. K.

deltoides

14527 ~~Podocarpus~~

Podocarpus

✓ 14528 Carex

Carex malacoviiana

deltoides

14529 *Alpinia*

ditto

14530 *Zestina*

at summit

14531 *Cathartopteris*

at summit

14532 —

near summit

14533 *Rhipidophora*

abu 6500

Gahnia gaudichaudii

14. 534 Cyperus diff
535 Rhizocar - Woods near
Mt. Shasta
536 G. Glauca - Woods 3000
537 Euphorbia - near
Cinderline
145 538 - Mallow - on lava
539 - Cassia - shrub, on lava
540 - Cotton tree - tree
on lava - Pliots

14 The above esp. in
near lava.

R. C. L.

14

Go

1

1

1

